

Abstract of the Disclosure

5 A polynucleotide or nucleic acid fragment comprising a new single nucleotide polymorphism of a human HNF-1  $\alpha$  gene. The polynucleotide or nucleic acid fragment includes a polymorphic site having adenine (A) at position 1699 of SEQ ID NO: 1 or having thymine (T) at position 29 of SEQ ID NO: 3, and more than 10 contiguous nucleotides set forth in SEQ ID NO: 1 or 3.